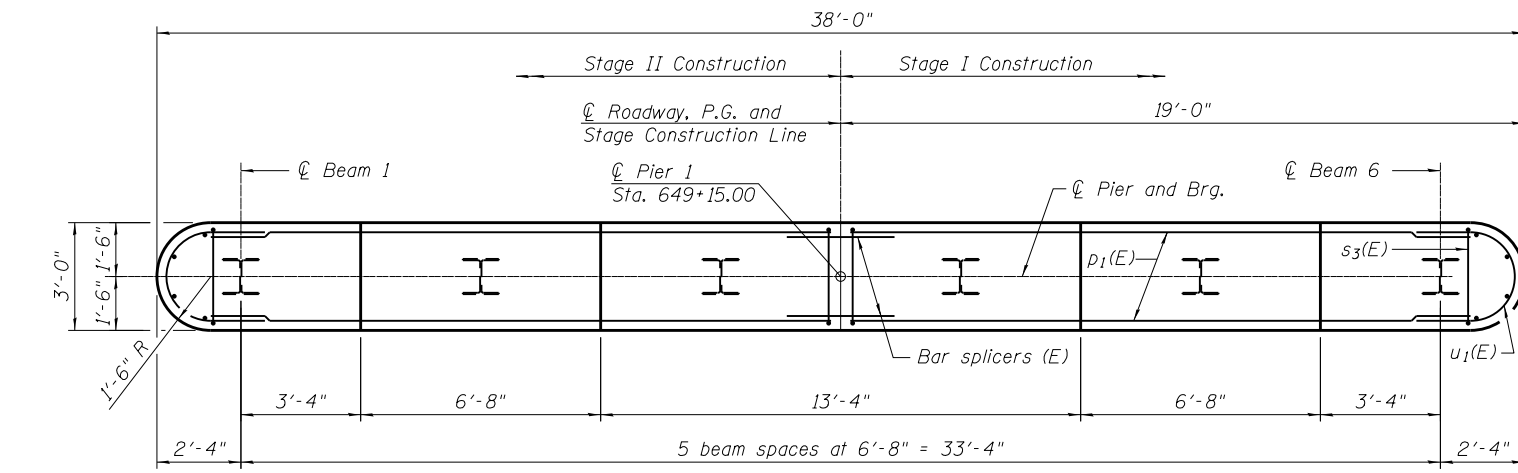
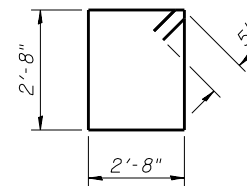


SECTION THRU WALL AT PILE LOCATION

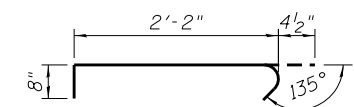
Alternate placement of 90° hooked end of s4(E) tie bars between vertical layers of tie bars.



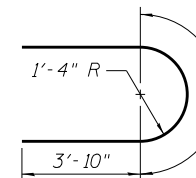
TOP PLAN



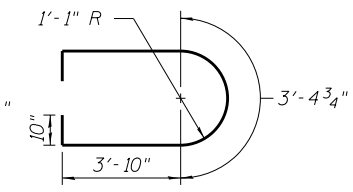
BAR s3(E)



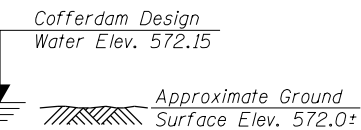
BAR s4(E)



BAR u1(E)



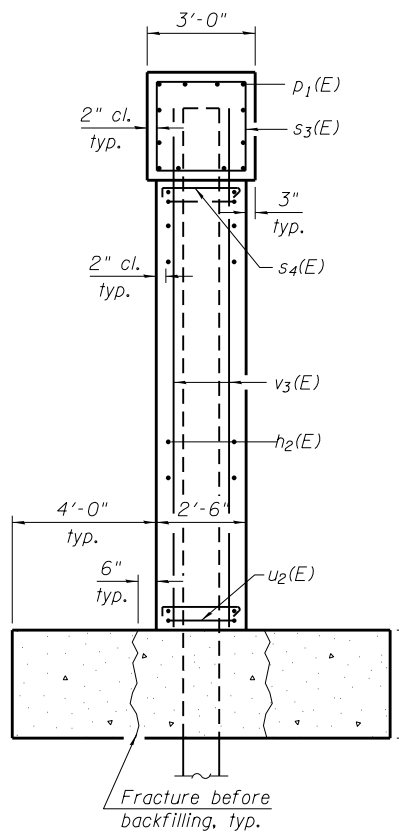
BAR u2(E)



PIER 1 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h2(E)	52	#6	17'-4"	—
p1(E)	24	#7	17'-4"	—
s3(E)	34	#5	11'-7"	□
s4(E)	156	#4	3'-3"	┌
u1(E)	8	#6	11'-11"	U
u2(E)	26	#6	12'-9"	U
v3(E)	80	#6	14'-6"	—
Cofferdam Excavation		Cu. Yd.	224	
Cofferdam (Type 2) (Location 1)		Each	1	
Concrete Structures		Cu. Yd.	55.6	
Seal Coat Concrete		Cu. Yd.	53.1	
Reinforcement Bars, Epoxy Coated		Pound	5,340	
Furnishing Steel Piles HP 14x73		Foot	295	
Driving Piles		Foot	295	
Test Pile Steel HP 14x73		Each	1	

Notes:
 Pour steps monolithically with cap.
 For pile details, see sheet S24 of S26.
 Space reinforcement in cap to miss anchor bolts.
 See sheet S17 of S26 for anchor bolt details.
 For details of Bar Splicers, see sheet S23 of S26.
 Seal coat thickness design is based on the Cofferdam Design Water Elevation (CDWE). Cofferdam design details and proposed changes in seal coat thickness shall be submitted to the Engineer for approval with the cofferdam design.

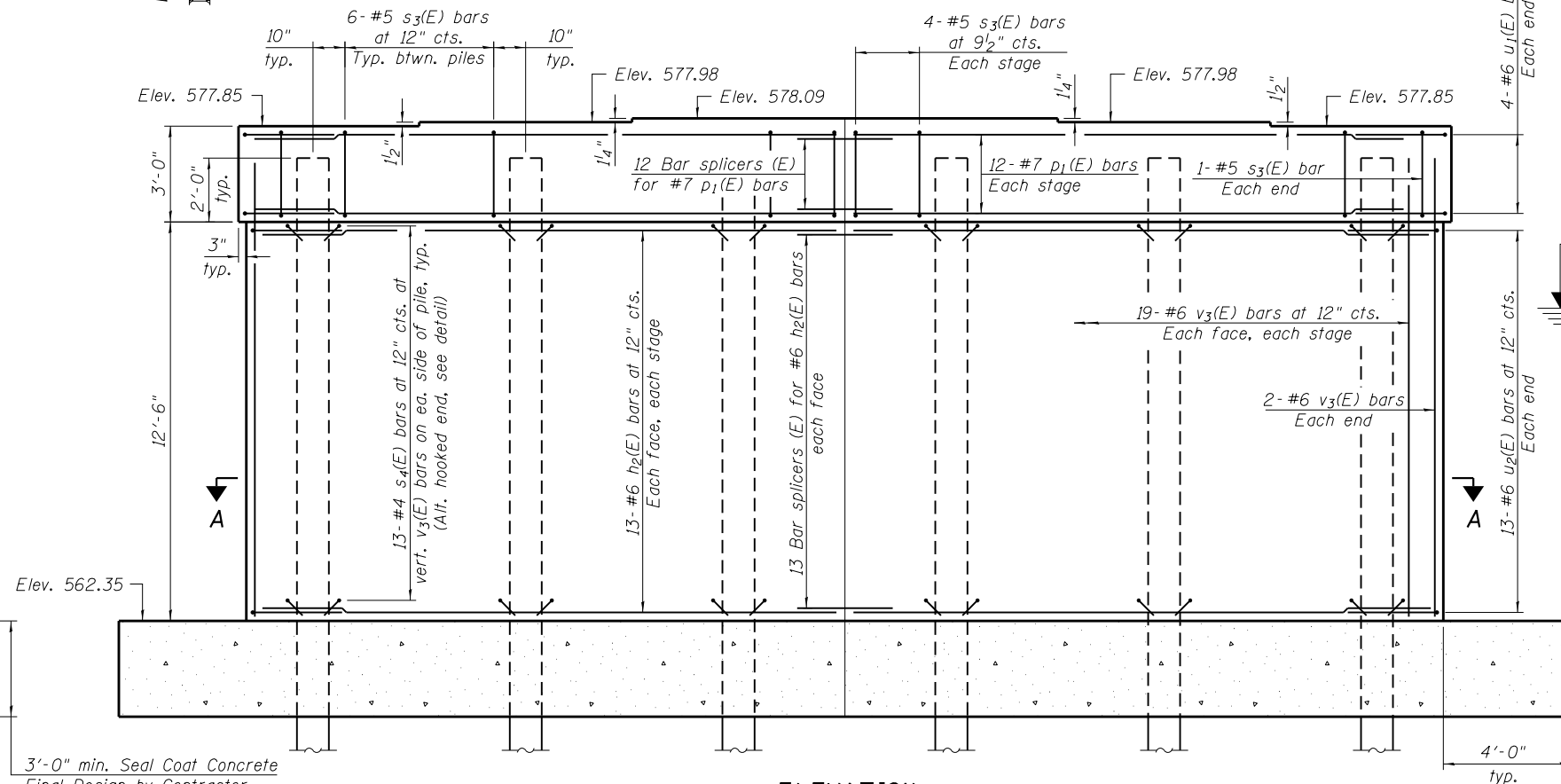


END VIEW

Contractor shall fracture seal coat (full depth) approximately 6" from each side of stem wall prior to backfilling. Care shall be taken to avoid damage to new construction. Cost included with Cofferdam (Type 2) (Location 1).

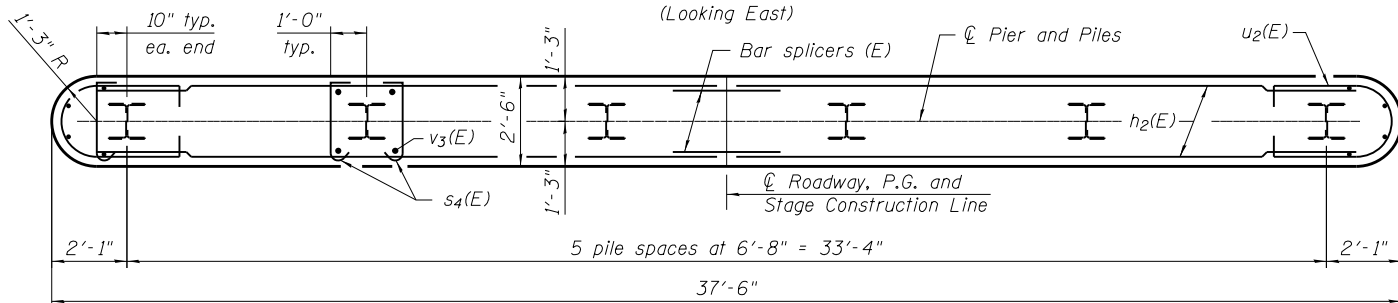
PILE DATA

Type: HP 14x73
 Nominal Required Bearing: 578 k
 Factored Resistance Available: 289 k
 Est. Length: 59'
 No. Production Piles: 5
 No. Test Piles: 1



ELEVATION

(Looking East)



SECTION A-A

Design firm no. 184001036

whks

engineers + planners + land surveyors

USER NAME = SOPERATOR8	DESIGNED - BRD	REVISED
FILE NAME = 0900178-68757.dgn	CHECKED - TJZ	REVISED
PLOT SCALE = 0.25' = 1"	DRAWN - DLH	REVISED
PLOT DATE = 1/17/2013	CHECKED - BRD/TJZ	REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PIER 1 STRUCTURE NO. 090-0178

SHEET NO. S21 OF S26 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(119BR) BR	TAZEWELL	80	61
CONTRACT NO. 68757				
ILLINOIS FED. AID PROJECT				